(b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

25. (Five Times Amended) An isolated, enriched, or purified nucleic acid molecule:

(a) encoding MDK1 polypeptide comprising the intracellular domain as set forth by amino acids 580 to 998 of SEQ ID NO:2 and at least one [two or more] MDK1 domains selected from the group consisting of amino acids 18 to 538 of SEQ ID NO:2, or amino acids 555 to 579 of SEQ ID NO:2[, and amino acids 580 to 998 of SEQ ID NO:2]; or

(b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

26. (Three Times Amended) A host cell which is generically engineered to express the nucleic acid of claim, 19, [21, 22,] 24 or 25.

Please add the following new claims:

--28. A recombinant nucleic acid:

(a) encoding a MDK1 polypeptide comprising the amino acid sequence set forth in SEQ ID NO:2; or

(b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

29. A recombinant nucleic acid:

(a) encoding MDK1 polypeptide comprising the intracellular domain as set forth by amino acids 580 to 998 of SEQ ID NO:2; or

(b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

30. A recombinant nucleic acid:

(a) encoding MDK1.Δ1 set forth in SEQ ID NO:11; or MDK1.Δ2 set forth in SEQ ID NO:1 or

(b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

31. A recombinant nucleic acid:

(a) encoding MDK1 polypeptide comprising the intracellular domain as set forth by amino acids 580 to 998 of SEQ ID NO:2 and at least one MDK1 domains selected from the group consisting of amino acids 18 to 538 of SEQ ID NO:2 or amino acids 555 to 579 of SEQ ID NO:2; or

(b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).

32. A host cell which is generically engineered to express the nucleic acid of claim, 28, 29, 30 or 31.

33. An isolated, enriched, or purified nucleic acid molecule comprising

(a) the nucleotide sequence set forth in SEQ ID NO:1; or

(b) a nucleic acid molecule that is completely complementary to the nucleic acid molecule of (a).--

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